# DATA SHEET

## ESPRIMO P5625

Your expandable workhorse

Issue: July 2009

### ESPRIMO P5625

The ESPRIMO P5625 with the latest AMD Cool'n'Quiet processor technology offers outstanding expandability and already meets future environmental standards due to the use of specially selected materials. The intelligent hardware design with optimally positioned fans and a sophisticated cooling concept ensures quiet operations for a pleasant working environment.

### Microtower

Maximum performance and optimal extendability

- Top-quality, high-value microtower, 6 drive bays, 4 PCI/PCI express interfaces

### Environmentally compatible product

Your contribution to environmental protection for the continued existence of our planet

- Halogen-free mainboard, sophisticated product concept for the entire lifecycle

### Quiet

Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized cooling concept

### Serviceability

Simple extendability and optimal user-friendliness without any additional tools

- Easy access to all replaceable and expandable components

### Reliability

Reliable top-quality products designed and engineered in Germany

- High product standards thanks to top-quality components and comprehensive testing in certified in-house laboratories

GREEN HALOGEN FREE QUIET RUNNING EASY ACCESS CABINET TWINLOAD SWITCHED MONITOR OUTLET MANAGEABILITY KEYBOARD POWER ON

## Components

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|---|---|
| **Processor** | AMD Phenom™ II X4 925 (2.8 GHz, 8 MB , 3600 MHz ) |
| | AMD Phenom™ II X3 710 (2.6 GHz, 7.5 MB , 3600 MHz ) |
| | AMD Phenom™ II X2 545 (3.0 GHz, 7 MB , 3600 MHz ) |
| | AMD Athlon™ X2 7750 (2.7 GHz, 3 MB , ) |
| | AMD Athlon™ X2 5600B (2.9 GHz, 2 x 512 KB , 2000 MHz ) |
| | AMD Athlon™ X2 5050e (2.6 GHz, 2 x 512 KB , 2000 MHz ) |
| | AMD Athlon™ X2 5000B (2.6 GHz, 2 x 512 KB , 2000 MHz ) |
| | AMD Athlon™ LE-1660 (2.8 GHz, 512 KB , 2000 MHz ) |
| | AMD Sempron™ LE-1300 (2.3 GHz, 512 KB , 1600 MHz ) |
| **Memory modules** | 4 GB (1 module(s) with 4 GB) DDR2, 800 MHz, PC2-6400, DIMM |
| | 2 GB (1 module(s) with 2 GB) DDR2, 800 MHz, PC2-6400, DIMM |
| | 1 GB (1 module(s) with 1 GB) DDR2, 800 MHz, PC2-6400, DIMM |
| **Hard disk drives (internal)** | SSD SATA, 128 GB, 2.5-inch |
| | SSD SATA, 64 GB, 2.5-inch |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. |
| Hard disk notes | Supporting NCQ and 3 GBit |
| **Graphics add on cards (optional)** | ATI Radeon® HD 3450 256 MB |
| | DVI Adapter |
| | NVIDIA® GeForce® 9300GE 256 MB |
| | NVIDIA® GeForce® 9300GE 512 MB |
| | NVIDIA® GeForce® 9500GS 512 MB |
| | NVIDIA® Quadro NVS 290 256 MB |
| **Modular bay options** | 1.44 MB Floppy |
| | Blu-ray Disc Triple Writer |
| | DVD-ROM |
| | DVD Super Multi |
| | MultiCard Reader 15in1, 3,5-Inch |
| **Interface add on cards/components (optional)** | |
| | WLAN II, 802.11g, 54Mbps |
| | Parallel Interface |
| | Modem adapter kit (EU) |
| | Modem 56k incl. RJ11 modem cable |
| | Gigabit Ethernet PCIe x1 |
| | FireWire PCI-Card IEEE1394 |
| | eSATA Interface |
| | Dual serial card, PCI, EX-43092 |
| **Base unit** | **ESPRIMO P5625** |
| **Mainboard** | |
| Mainboard type | D2721 |
| Formfactor | µBTX |
| Chipset | NVIDIA® MCP78PV |
| Processor socket | AM2+ |
| Processor quantity maximum | 1 |
| System bus (FSB / HT / QPI) | up to 4000 MHz |
| Memory slots | 4 DIMM (DDR2) |
| Supported capacity RAM (max.) | 16 GB |
| Memory frequency | 800 MHz |

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| **Mainboard** | |
| Memory notes | Dual channel support.<br>For dual channel performance, a minimum of 2 memory modules have to be ordered.<br>Capacity per channel has to be the same. |
| LAN | 10/100/1000 MBit/s Broadcom BCM5787 |
| BIOS version | Phoenix 6.0 |
| BIOS features | BIOS Flash EPROM update by software<br>Recovery BIOS |
| Audio codec | Realtek ALC262 |
| Audio features | Internal speaker supports audio playback, High Definition audio |
| **I/O controller on board** | |
| Serial ATA total | 4 |
| thereof eSATA | 1 (optional) |
| Controller functions | Serial ATA II<br>3 GBit<br>Raid 1/0 |
| Interfaces | |
| **Input device / components** | |
| | Optical USB tilt wheel mouse<br>Optional: Optical USB/PS2 tilt wheel mouse |
| **Drive bays** | |
| Drive bays total | 6 |
| 3.5-inch internal bays | 2 |
| 3.5-inch external bays | 2 |
| 5.25-inch external bays | 2 |
| **Slots** | |
| PCI-Express Gen2 x16 | 1 x (230 mm) FlexySlot |
| PCI-Express x1 | 1 x (230 mm) full height |
| PCI (32-bit / 33 MHz) | 2 x (190 / 315 mm) full height |
| **Graphic on board** | |
| Graphics brand name | NVIDIA® GeForce® 8200 |
| Shared video memory | up to 256 MB |
| Refresh rate 1024 x 768 (recommended / max.) | 120 Hz / 200 Hz |
| Refresh rate 1280 x 1024 (recommended / max.) | 100 Hz / 150 Hz |
| Refresh rate 1600 x 1200 (recommended / max.) | 85 Hz / 100 Hz |
| TFT resolution (VGA) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1200 pixel |
| TFT resolution (DVI) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1200 pixel |
| Graphic notes | Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend to use 60Hz. |
| **Electrical values** | |
| Power efficiency note | power supply efficiency (at 230V; 20% / 50% / 100% load) : 71% / 77% / 76% |
| Rated voltage range | 100 - 127 V / 200 - 240 V |
| Rated frequency range | 50 - 60 Hz |
| Operating voltage range | 90 - 137 V / 180 - 264 V |
| Operating line frequency range | 47 - 63 Hz |
| Max. output of power supply | 260 W |

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| **Electrical values** | |
| Power factor correction/active power | passive |
| Monitor outlet | Switched |
| **Power consumption** | |
| Power consumption note | see white paper Energy Consumption |
| Link to Energy White Paper | http://docs.ts.fujitsu.com/dl.aspx?id=02ca84b8-54b1-4ea8-9b14-0c3cf557e579 |
| **Heat dissipation** | |
| Heat dissipation notes | see white paper Energy Consumption |
| **Noise for standard configuration (HDD, ODD, FDD)** | |
| Noise emission | According to ISO9296 |
| Related Processors for noise | AMD® Phenom™ X4 9600 |
| Noise Operation mode 1: ODD load (Blue angel requirement) | 5.1B / 36 dB(A) |
| Noise Operation mode 2: HDD load (Blue angel requirement) | 3.6B / 19 dB(A) |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 3.8B / 23 dB(A) |
| Noise Operation mode 4: High load | 3.8B / 23 dB(A) |
| Noise Operation mode 5: Office applications | 3.6B / 20 dB(A) |
| Idle mode (Blue Angel requirement) | 3.5B / 19 dB(A) |
| Noise notes / description | A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position |
| **Dimensions / Weight / Environmental** | |
| Dimension (W x D x H) | 203 x 390 x 392 mm |
| Operating position | Vertical |
| Weight | approx. 12 kg |
| Weight notes | Weight may vary depending on actual configuration |
| Operating ambient temperature | 15 - 35°C |
| **Compliance** | |
| Product | ESPRIMO P5625 |
| Model | MI3W-D2721 |
| Germany | Blauer Engel / Blue Angel<br>GS |
| Europe | CE<br>Nordic Swan |
| USA/Canada | FCC Class B<br>cCSAus |
| Global | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL) |
| **Operating system** | |
| Operating system optional preinstalled | Microsoft® Windows Vista® Home Basic<br>Microsoft® Windows Vista® Home Premium<br>Microsoft® Windows Vista® Business 32bit<br>Microsoft® Windows Vista® Business 64bit<br>TwinLoad Microsoft® Windows® XP Professional (DVD) |
| Operating system compatible | Linux |
| **Additional Software** | |
| Additional software (preinstalled) | Nero Essentials (burning software) |
| Additional software (optional) | Recovery DVD (Windows Vista®)<br>Drivers & Utilities DVD (DUDVD) Windows Vista® |
| Additional software (included as a CD/DVD) | Drivers & Utilities DVD (DUDVD) Windows® XP |
| | Keyboard on (Fujitsu keyboard required)<br>Thermal management |

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| Spare part availability | 5 years |

## Compatibility (references)

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| | DMI 2.0<br>PC 2001<br>WMI 1.5<br>USB 2.0 |

## Manageability

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| Manageability features | ASF 2.0 (Alert Standard Format)<br>DeskUpdate Driver management<br>DeskView Migrate (optional)<br>DeskView Control (optional)<br>PXE 2.1 Boot code<br>BootP Boot Code including Bootmanage Administrator Software (tested)<br>Wake up from S5 (off mode)<br>Intrusion switch (optional) |
| Manageability type | DeskView 10.x client management including: |
| DeskView features | On/Offline remote client management<br>Detailed system inventory management and reports<br>BIOS Management<br>Remote power management<br>System notifications<br>Advanced alerts (ASF implementation)<br>Security Remote Control<br>DeskView Helpdesk Integration<br>WoL (Wake on LAN) |
| Manageability link | http://ts.fujitsu.com/manageability<br>http://www.altiris.com/fsc |

## Security

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| Physical security | Kensington Lock support<br>Eye for padlock<br>Optional: Integrated cabinet lock |
| System security | Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2) - Infineon<br>Control of all USB interfaces<br>External USB interfaces detachable separately<br>Boot protection for floppy disk / CD drive and write protection for floppy disk drive<br>Control of external interfaces |
| User security | User and supervisor BIOS password<br>SystemLock 2 BIOS SmartCard Security<br>Hard disk password<br>Optional: Access protection via external SmartCard reader<br>Optional: Access protection via internal SmartCard reader |

## Serviceability

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| | FlexySlot<br>EasyFix<br>EasyChange for HDD<br>EasyChange for optical drives |

## Packaging information

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| Packaging dimension | 500x290x540 mm |
| Max. quantity / pallet | 24 |
| Material - Weight (g) Carton | 1270 g |
| Material - Weight (g) EPS / PS | 210 g |
| Material - Weight (g) PE | appr. 60 g |
| Packaging notes | printed user documentation is bleached in chlorine free process |

## Warranty
## Maintenance and Support Services - the perfect extension

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| Recommended Service | 5x9, Response Time: Next Business Day |
| Spare Parts availability | 5 years |
| Service Weblink | http://ts.fujitsu.com/Supportservice |

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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